Bruhat Bangalore Mahanagara Palike

Executive Engineer
Yelhanka Division

DETAILED ESTIMATE

NAME OF WORK: **Construction of drains and improvements to Venkatala layout and Maruthinagara GYM Maruthinagara 1st main and cross roads in ward No.1 of Yelhanka Sub division**

PROJECT COST: **75.00 Lakhs**

MECADEZ
Insight Makes it Happen

Mecadez Core Technologies Private limited

Project Management and Consultancy Services

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BRUHAT BANAGLORE MAHANAGARA PALIKE

Executive Engineer-Yelhanka Division

Detailed Estimate

Name of Work: Construction of drains and improvements to Venkatala layout and Maruthinagara GYM Maruthinagara 1st main and cross roads in ward No.1 of Yelhanka Sub division

Estimate Amount : 7500000.00

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	CIVIL WORKS								
1	KSRRB 300-1. **Earthwork excavation by manual means** in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **(Page No141., I.No.19.1 of KPWD S.R 2015-16).**								
		Cum							
	New Drain								
	MB Bakery road								
	Ch: (0 - 130)	R/s	1	130	1.30	1.000	169.00		
	Ch: (137 - 255)	R/s	1	118	1.30	1.000	153.40		
	Maruthi nagar 2nd cross								
	Ch: (0 - 43)	R/s	1	43	1.30	0.900	50.31		
	Ch: (0 - 24)	R/s	1	24	1.30	0.900	28.08		
	Maruthi nagar 4th								
	Ch: (0 - 79)	B/s	2	79	1.30	0.900	184.86		
	Ch: (79 - 102)	L/s	1	23	1.30	0.900	26.91		
	24th cross manjunath nagar from 1st main								
	Ch: (0 - 290)	B/s	2	290	1.20	0.800	556.80		
	New Culvert								
	MB Bakery road								
	Ch: (130 - 137)	R/s	1	7	1.50	0.800	8.40		
							1177.76	**168.76**	**198758.78**
2	KSRB 4-1.2 : Providing and laying in **position plain cement concrete of mix1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted,in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 **(Page No 12., I.No.4.2 of KPWD S.R 2015-16).**								
		Cum							
	New Drain								
	MB Bakery road								
	Ch: (0 - 130)	R/s	1	130	0.90	0.100	11.70		
	Ch: (137 - 255)	R/s	1	118	0.90	0.100	10.62		
	Maruthi nagar 2nd cross								
	Ch: (0 - 43)	R/s	1	43	0.90	0.100	3.87		
	Ch: (0 - 24)	R/s	1	24	0.90	0.100	2.16		
	Maruthi nagar 4th cross								
	Ch: (0 - 79)	B/s	2	79	0.90	0.100	14.22		
	Ch: (79 - 102)	L/s	1	23	0.90	0.100	2.07		
	24th cross manjunath nagar from 1st main								

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	Ch: (0 - 290)	B/s	2	290	0.90	0.100	52.20		
	New Culvert								
	MB Bakery road								
	Ch: (130 - 137)	R/s	1	7	1.20	0.100	0.84		
							97.68	**5236.92**	**511542.35**
3	Providing and laying Plain /reinforced cement concrete **M20** for Box drain walls of thickness 10cm to 20cm including centring shuttering for work etc. complete as per approved drawing and design MORTH specification No.1500,1700,2200 **(Page No258., I.No.37.59.2 of KPWD S.R 2015-16).**								
		Cum							
	Raft								
	New Drain								
	MB Bakery road								
	Ch: (0 - 130)	R/s	1	130	0.90	0.150	17.55		
	Ch: (137 - 255)	R/s	1	118	0.90	0.150	15.93		
	Maruthi nagar 2nd cross								
	Ch: (0 - 43)	R/s	1	43	0.90	0.150	5.81		
	Ch: (0 - 24)	R/s	1	24	0.90	0.150	3.24		
	Maruthi nagar 4th cross								
	Ch: (0 - 79)	B/s	2	79	0.90	0.150	21.33		
	Ch: (79 - 102)	L/s	1	23	0.90	0.150	3.11		
	24th cross manjunath nagar from 1st main								
	Ch: (0 - 290)	B/s	2	290	0.90	0.150	78.30		
	New Culvert								
	MB Bakery road								
	Ch: (130 - 137)	R/s	1	7	1.20	0.200	1.68		
	Wall								
	New Drain								
	MB Bakery road								
	Ch: (0 - 130)	R/s	2	130	0.15	0.900	35.10		
	Ch: (137 - 255)	R/s	2	118	0.15	0.900	31.86		
	Maruthi nagar 2nd cross								
	Ch: (0 - 43)	R/s	2	43	0.15	0.900	11.61		
	Ch: (0 - 24)	R/s	2	24	0.15	0.900	6.48		
	Maruthi nagar 4th cross								
	Ch: (0 - 79)	B/s	4	79	0.15	0.900	42.66		
	Ch: (79 - 102)	L/s	2	23	0.15	0.900	6.21		
	24th cross manjunath nagar from 1st main								
	Ch: (0 - 290)	B/s	4	290	0.15	0.900	156.60		
	New Culvert								
	MB Bakery road								
	Ch: (130 - 137)	R/s	2	7	0.20	0.800	2.24		
							439.70	**6931.44**	**3047754.17**

No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
4	KSRB 4.9.2 : Providing **T .M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 for TMT Bars Fe500 **(Page No 17., I.No.4.46.2 of KPWD S.R 2015-16).**								
		Tonne							
	Taking 60kg/m3								
				439.7*60/1000			26.38		
							26.38	**69805.80**	**1841616.62**
5	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-Data rate								
		Sqm							
	Covering Slab								
	New Drain								
	MB Bakery road								
	Ch: (0 - 130)	R/s	1	130	0.90		117.00		
	Ch: (137 - 255)	R/s	1	118	0.90		106.20		
	Maruthi nagar 2nd cross								

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	Ch: (0 - 43)	R/s	1	43	0.90		38.70		
	Ch: (0 - 24)	R/s	1	24	0.90		21.60		
	Maruthi nagar 4th cross								
	Ch: (0 - 79)	B/s	2	79	0.90		142.20		
	Ch: (79 - 102)	L/s	1	23	0.90		20.70		
	24th cross manjunath nagar from 1st main								
	Ch: (0 - 290)	B/s	2	290	0.90		522.00		
							968.40	1834.00	1776045.60
6	Providing precast slab of 250mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-Data rate								
		Sqm							
	Covering Slab								
	New Culvert								
	MB Bakery road								
	Ch: (130 - 137)	R/s	1	7	1.20		8.40		
							8.40	5111.00	42932.40
	Sub Total								7418649.92
7	Cost towards Design Report and Detailed Estimate,PMC/Third party								74186.50
8	Misclenous and other charges								7163.58
	Grand Total								7500000.00

Certificate:-

1. That the workspot inspected by me and found work is necessary.
2. That the area comes with in the Bruhat Bangalore Mahanagara Palike Limits.
3. That the rates are adopted based on the PWD SR of 2015-16
4. That the provisions made in the estimate are necessary and quite essential.

Consultant:

For M/s MECADEZ CORE TECHNOLOGIES PVT LTD

Asst. Engineer
Ward No-1
BBMP

AEE
Yelhanka Sub Division
BBMP

Executive Engineer
Yelhanka Division
BBMP